



January 6, 2020

Mr. Clay Duffie, General Manager  
Mount Pleasant Waterworks  
P.O. Box 330  
Mount Pleasant, SC 29465-0330

Reference: Groundwater Withdrawal Permit / #10WS006  
Charleston County

Dear Mr. Duffie,

The Department has completed its review of the comments submitted by Mount Pleasant Waterworks on December 2, 2019. No additional modifications have been made to the previous draft permit sent on November 20, 2019. Enclosed is a Groundwater Withdrawal Permit for Mount Pleasant Water Works. Please read the permit carefully and take note of the conditions listed within and the expiration date of **October 31, 2023**.

As you are aware there remains a cone of depression around the MPW's well field. As required by the DHEC Board-approved Groundwater Management Plan, the Department is required to protect against potential adverse impacts due to over pumping in areas of concern within the aquifer. As is always done, the Department will review all available data at the time of renewal of the groundwater withdrawal permit (2023). Based upon current trends, it is anticipated that at the time of a renewal of this permit additional reduction in groundwater withdrawal within the cone of depression may be necessary in order to allow the cone of depression to recover to a point that minimizes the risk associated with saltwater intrusion and/or land subsidence.

Should you have any questions please do not hesitate to contact me at either (803) 898-3575 or [butlerap@dhec.sc.gov](mailto:butlerap@dhec.sc.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'A. Butler', is written over a horizontal line.

Alexander Butler, Manager  
Water Quantity Permitting Section  
Bureau of Water

Enclosure: Groundwater Withdrawal Permit



S.C. Department of Health and  
Environmental Control

## **Bureau of Water Groundwater Withdrawal Permit**

### **This Groundwater Withdrawal Permit Certifies That**

Mount Pleasant Waterworks  
Charleston County

has been granted permission to withdraw and use groundwater from these

**Permit #10WS006**

**Groundwater Withdrawal Source Number(s):**

**10WS006G01, 10WS006G02, 10WS006G03, 10WS006G04,  
10WS006G05, 10WS006G06**

in an amount not to exceed that specified in the general and/or special conditions contained in this permit. This permit is issued in accordance with the provisions of the Groundwater Use and Reporting Act, Chapter 5, Section 49-5-10 et seq., Code of Laws of South Carolina, 1976.

A handwritten signature in black ink, appearing to read "A. Butler", written over a horizontal line.

Alexander P. Butler, Manager  
Water Quantity Permitting Section  
Water Monitoring, Assessment, and Protection Division

<b>Issue Date:</b>	<b>January 6, 2020</b>
<b>Effective Date:</b>	<b>January 21, 2020</b>
<b>Expiration Date:</b>	<b>October 31, 2023</b>

This decision of the S.C. Department of Health and Environmental Control (Department) becomes the final agency decision 15 days after notice of the decision has been mailed to the applicant or respondent, unless a written request for final review is filed with the Department by the applicant, permittee, licensee, or affected person. Withdrawal of groundwater from the well(s) may be made only as specified in this permit.



### Conditions

- (1) The permittee is responsible for compliance with the Groundwater Use and Reporting Act, Section 49-5-10 et seq., Code of Laws of South Carolina, 1976, all appropriate regulation(s) promulgated as a result of the Act, and the terms and conditions herein.
- (2) The permittee is authorized for the withdrawal and use of groundwater for water supply in the amount and under the terms herein specified. Any variance from these terms and conditions may constitute a violation of this permit, which may result in the modification, suspension or revocation of this permit, in whole or in part, and/or the institution of such legal proceedings as the Department may consider appropriate.
- (3) This permit may be modified, suspended, or revoked, in whole or in part, if the Department determines there has been a violation of any of the terms or conditions of this permit or that the water use authorized herein is found to have an unreasonable adverse effect on the groundwater resource and/or other water users, present or potential.
- (4) The permittee shall allow Department representatives to inspect water use or other pertinent records and shall allow entry at reasonable times upon the property from which the water is being taken or used to ensure compliance with the terms and conditions of this permit.
- (5) This permit shall not be transferred to any other person or user except by the prior written approval of the Department. The permittee shall submit written notification to the Department at least thirty (30) days in advance of the proposed transfer. This notification shall include a Groundwater Withdrawal Permit Application completed by the proposed new owner(s).
- (6) The permittee shall submit, on forms provided by the Department, a certified report of groundwater used or withdrawn, sources of water, and the nature of the use, and any other information as required under special conditions, not less than yearly. Such reports shall be required by the 30th day of January.
- (7) The permittee shall develop a *Best Management Plan* for water use and water conservation designed to protect water quality and reduce water consumption. The plan should incorporate reasonable and appropriate conservation techniques, application processes, and alternate sources of water, if available, and maintenance schedule to preserve the integrity and efficient operation of water conveyance system(s).

### Conditions Continued

(8) The permittee shall be authorized to withdraw and use groundwater for water supply from the following source(s), in the volumes specified, for the term of the permit:

System Permit Source Number	Well Identification	Aquifer System
10WS006G01	Deep Well #6	Charleston
10WS006G02	Deep Well #2	Charleston
10WS006G03	Deep Well #1	Charleston
10WS006G04	Deep Well #3	Charleston
10WS006G05	Deep Well #4	Charleston
10WS006G06	Deep Well #5	Charleston

Calendar Year	Yearly Withdrawal (million gallons)
2020	2,409.0
2021	2,165.7
2022	1,922.3
2023	1,679.0

### Special Conditions:

(1) The permittee should make all efforts to reduce the regular demand on groundwater; reserve the groundwater for peak demand times or as a backup water supply; and, develop other alternative water sources. The Department will evaluate all available data at the time of a requested renewal in order to conserve and protect these resources, prevent waste, and to provide and maintain conditions which are conducive to the development and use of water resources.

(2) The Department acknowledges the permittee's contract to purchase water from Charleston Water Service at a rate of 6 Million Gallons Per Day (MGD), increasable up to 15MGD in 100,000 gallon increments (Mount Pleasant Waterworks Comprehensive Master Plan 2019 Update, submitted with the permit application amendment dated September 10<sup>th</sup> 2019). The permittee shall utilize this contracted water source as an alternative to groundwater when reasonably practicable.